



0360

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
(Case No. 97,067)

In Application of:

F. Leo Hickey

Serial No. 08/949,239

Filed: October 10, 1997

For: Polyol Blends for Producing Hydrocarbon - Blown  
Polyurethane and Polyisocyanurate Foams

Examiner:

Art Unit:

Asst. Commissioner for Patents  
Washington, D.C. 20231

Sir:

## TRANSMITTAL LETTER

In regard to the above identified application:

1. We are transmitting herewith the attached:

- a. Information Disclosure Statement (24 references);
- b. Form PTO- 1449;
- c. Postcard.

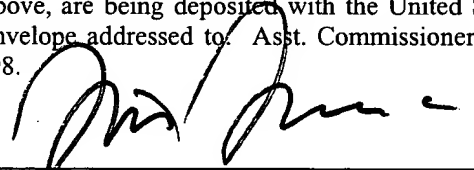
2. With respect to additional fees:

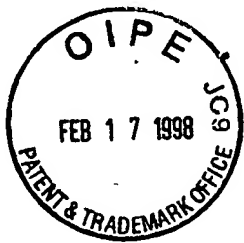
- A. Attached is a check in the amount of \$0.
- B. Charge the total additional fee to our Deposit Account No. 13-2490.  
A duplicate copy of this sheet is enclosed.

3. Please charge any additional fees or credit overpayment to Deposit Account No.13-2490. A duplicate copy of this sheet is enclosed.

4. CERTIFICATE OF MAILING UNDER 37 CFR § 1.8: The undersigned hereby certifies that this Transmittal Letter and the paper, as described in paragraph 1 hereinabove, are being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Asst. Commissioner for Patents, Washington, D.C. 20231 on this 12 day of February, 1998.

By :

  
Steven J. Sarussi  
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#3  
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(Case No. 97,067)

In the Application of: )  
F. Leo Hickey )  
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For: Polyol Blends for Producing Hydrocarbon - )  
Blown Polyurethane and Polyisocyanurate )  
Foams )

**INFORMATION DISCLOSURE STATEMENT**

Asst. Commissioner of Patents  
Washington, D.C. 20231

Dear Sir:

This prior art statement is filed under 37 C.F.R. §§1.97-1.98 in compliance with the duty of disclosure set forth in 37 C.F.R. §1.56.

In the judgment of the undersigned, the references listed on the attached Form PTO-1449 may be material to the Examiner's consideration of the presently pending claims. However, the references have not been reviewed in sufficient detail to make any other representation and, in particular, no representation is intended as to the relative relevance between references, whether cited in this statement or prior statements. This statement is not a representation that the listed references have effective dates early enough to be "prior art" within the meaning of 35 U.S.C. §102.

McDonnell Boehnen Hulbert & Berghoff  
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1. U.S. Patent No. 1,922, 459, published August 15, 1933
2. U.S. Patent No. 3,647,759, published March 7, 1972
3. U.S. Patent No. 4,411,949, published October 25, 1983
4. U.S. Patent No. 4,714,717, published December 22, 1987
5. U.S. Patent No. 4,897,429, published January 30, 1990
6. U.S. Patent No. 5,464,562, published November 7, 1995
7. U.S. Patent No. 5,470,501, published November 28, 1995
8. U.S. Patent No. 5,484,817, published January 16, 1996
9. U.S. Patent No. 5,488,071, published January 30, 1996
10. U.S. Patent No. 5,504,125, published April 2, 1996
11. U.S. Patent No. 5,523,332, published June 4, 1996
12. WO 94/01479, published January 20, 1994
13. WO 96/12759, published May 2, 1996
14. Polyethers, Part I: Polyalkylene Oxides and Other Polyethers, N.G. Gaylord, ed, Interscience, 1963, pp. 233-37.
15. Nicola, et al., "Hydrocarbon Blown Foams for U.S. Construction Applications", *35th Annual Polyurethane Technical/Marketing Conference*, October 9-12, 1994, pp. 412-417.
16. van der Wouden, et al., "The Use of Polyester Polyols in CFC-free Rigid Forms", *Utech '94*, Paper 21, pp. 1-5.
17. van der Wouden, "Performance of Oleochemical Based Polyester Polyols in Polyurethanes", *Utech Asia '95*, Paper 34, pp. 1-7.
18. Nicola, et al., "Improved Hydrocarbon Blown Foams for North America", *Polyurethane*, 1995, pp. 156-162.

19. / Matsumoto, et al., "Development of Cyclopentane Blown Foam System for Appliances Use", *Polyurethane*, 1995, pp. 292-295.
20. / Burkhart, et al., "Optimized Silicone Surfactants for HCFC and Pentane Blown Polyisocyanurate and Polyurethane Rigid Foams", *Polyurethane*, 1995, pp. 296-302.
21. / Hanne, et al., "Patented, Pentane-Process Technology Key to U.S. CycloPentane-Blown Refrigerator Production", *Polyurethane*, 1995, pp. 481-483.
22. / Chittolini, "Increasing the Solubility of Pentane in Rigid Foam Systems", *Utech '96*, Paper 56, pp. 1-6.
23. / Ballhaus, et al., "Hydrocarbons Provide Zero ODP and Zero GWP Insulation for Household Refrigeration", *Proceedings of the Polyurethanes World Congress*, 1993, pp. 33-39.
24. / Encyclopedia of Chemical Technology, Vol. 7, pp. 257-263 published by Interscience Publishers, Inc., 1951.

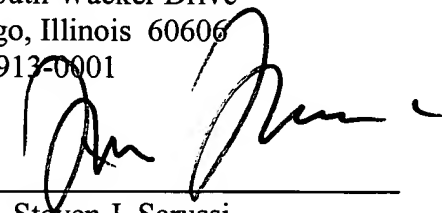
In accordance with MPEP Sections 609 and 707.05(b), it is requested the document cited (including any cited in applicant's specification which is not repeated on the attached Form PTO-1449) be given thorough consideration and that it be cited of record in the prosecution history of the present application by initialing on Form PTO-1449. Such initialing is requested even if the Examiner does not consider a cited document to be sufficiently pertinent to use in a rejection, or otherwise does not consider it to be prior art for any reason, or even if the Examiner does not

believe that the guidelines for citation have been fully complied with. This is requested so that each document becomes listed on the face of the patent issuing on the present application.

Respectfully submitted

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Dated: February 12, 1998

By:   
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